

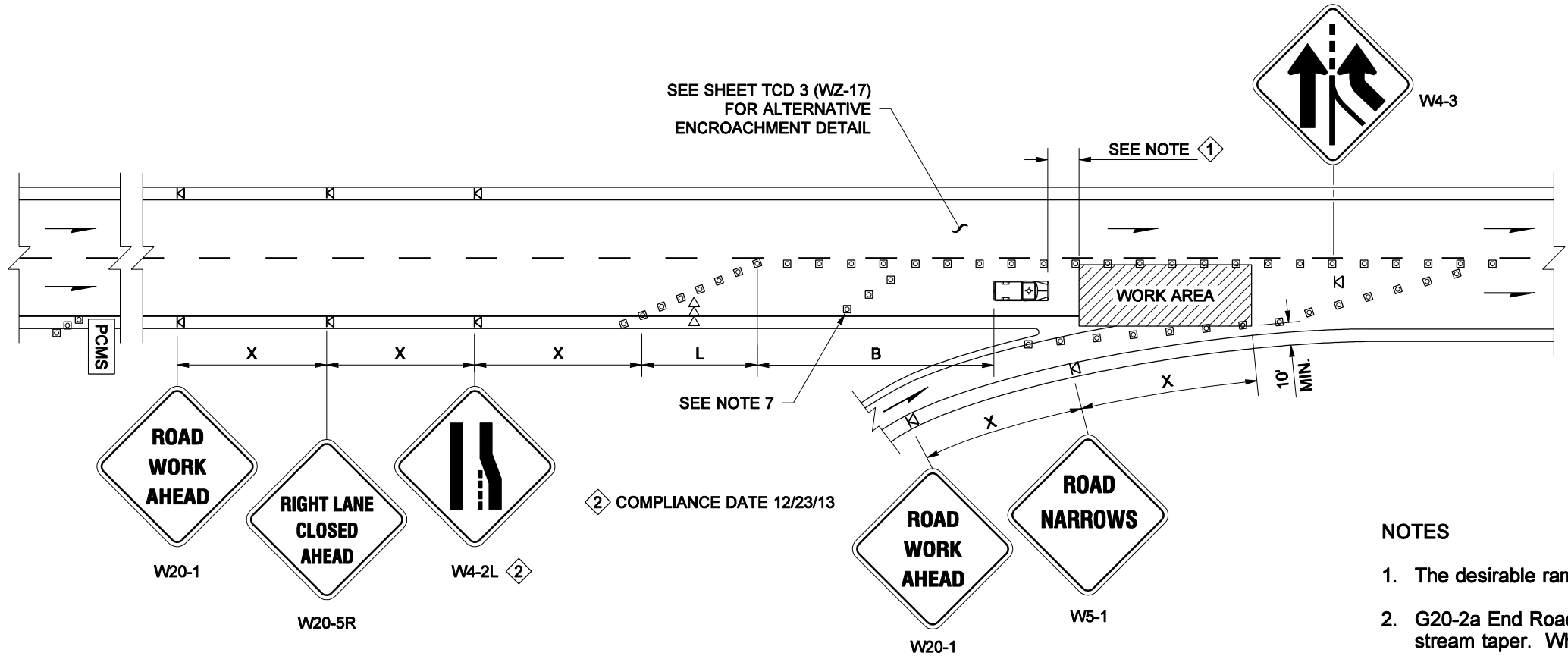
MINIMUM TAPER LENGTH = L (feet)										
Lane Width (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	270	450	500	550	-	-	-
11	-	-	-	295	495	550	605	660	-	-
12	-	-	-	320	540	600	660	720	780	840

(SAMPLE MESSAGE)

PCMS	
1	2
LANE CLOSED	1 MILE AHEAD
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE TAPER.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	730
PROTECTIVE VEHICLE WITH TMA ROLL AHEAD DISTANCE										
TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA	TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (LBS)							STATIONARY OPERATION (FEET)		
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)							30 MIN.		
ROLL AHEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT										
1	A PROTECTIVE VEHICLE IS RECOMMENDED REGARDLESS IF A TMA IS AVAILABLE. IF NO TMA IS USED, THE PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED IN THE FIELD TO SHIELD WORKERS AND NO ROLL AHEAD DISTANCE IS SPECIFIED.									



SIGN SPACING = X (FEET)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'±(OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'±
ALL SIGNS ARE 48" x 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.		

All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.

NOTES

- The desirable ramp width is 14 feet.
- G20-2a End Road work sign should be installed 500' beyond the work area or use a down stream taper. When used, device spacing for the down stream taper should be 20' O.C.
- Protective vehicle recommended - may be a work vehicle.
- Contact region Traffic Office for work hour restriction.
- Recommend extending device taper (L/3) across shoulder.
- Devices should not encroach into adjacent lanes.
- Use transverse devices in closed lane every 1000'± (recommended).
- Traffic safety drums recommended for all tapers on high speed roadway.
- Consider short term closure of ramp.

LEGEND

- ✕ SIGN LOCATION
- ➡➡➡ ARROW PANEL
- ▣▣▣ CHANNELIZING DEVICES
- 🚚 PROTECTIVE VEHICLE - RECOMMENDED
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN - RECOMMENDED

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50 / 70	40	80
40 / 45	30	60

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS
TCP 8

FILE NAME					S:\Design R P& S\4-Standards\2-Plan Sheet Library\Work zone plans\WZ8.dgn																
TIME		2:30:27 PM								REGION NO.		STATE		FED.AID PROJ.NO.							
DATE		4/28/2006								10		WASH									
PLOTTED BY		sujkam										JOB NUMBER									
DESIGNED BY														CONTRACT NO.		LOCATION NO.					
ENTERED BY																					
CHECKED BY																					
PROJ. ENGR.																					
REGIONAL ADM.				REVISION		DATE		BY										P.E. STAMP BOX		DATE	
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